

## Observing over Time : Skills Progression Grid

	Plan	Do	Review
Foundation	<ul style="list-style-type: none"> <li>I am curious about things that change</li> <li>With help I ask questions about things changing</li> <li>I talk about my ideas for finding out how things change</li> </ul>	<ul style="list-style-type: none"> <li>I use all my senses to observe changes</li> <li>I look closely at how things change</li> <li>I make simple records of how things change (with help where necessary)</li> <li>I use simple equipment to observe and record changes</li> </ul>	<ul style="list-style-type: none"> <li>I talk about what I have done and what I noticed</li> </ul>
Early primary	<ul style="list-style-type: none"> <li>I ask questions about how and why things change</li> <li>With help, I identify changes to observe and measure and suggest how to do it</li> </ul>	<ul style="list-style-type: none"> <li>I use non-standard units and simple equipment to record changes</li> <li>I record in words or pictures, or in simple prepared formats such as tables and charts</li> </ul>	<ul style="list-style-type: none"> <li>I identify simple changes and talk about them</li> <li>I sequence the changes</li> <li>I begin to use scientific language to talk about changes</li> <li>I talk about whether the change was what I expected</li> </ul>
Middle primary	<ul style="list-style-type: none"> <li>I talk about things changing and decide when questions can be answered by observing over time</li> <li>I decide what observations to make, how often and what equipment to use</li> </ul>	<ul style="list-style-type: none"> <li>I use a range of equipment to collect data using standard measures</li> <li>I make records using tables and bar charts</li> <li>I begin to use and interpret graphs produced by dataloggers</li> </ul>	<ul style="list-style-type: none"> <li>I draw simple conclusions from the changes I observed</li> <li>I talk about changes using some scientific language</li> <li>I suggest improvements to the ways I observe</li> </ul>
Late primary	<ul style="list-style-type: none"> <li>I recognise when observing changes over time will help to answer my questions</li> <li>I decide how detailed my observations need to be, and what equipment to use, to make my measurements as accurate as possible</li> </ul>	<ul style="list-style-type: none"> <li>I use equipment accurately without support</li> <li>I record data appropriately</li> <li>I present data in line graphs</li> <li>I interpret changes in the data</li> <li>I recognise the effect of changing the time and number of observations</li> </ul>	<ul style="list-style-type: none"> <li>I draw valid conclusions from data about changes</li> <li>I recognise the significance of things changing over time</li> <li>I talk about and explain changes using scientific knowledge and understanding</li> <li>I evaluate how well I observed over time</li> </ul>